In the Claims

This listing of claims will replace all prior versions, and listings, of claims.

Listing of Claims

1. (currently amended) A computer implemented method of dynamic customer demand forecasting, comprising using a computer to perform the steps of:

inputting at least one forecast rule to estimate orders;

calculating at least one forecast hit rate, each of which corresponds to a forecast rule;

selecting a highest hit rate from the forecast hit rate; [[and]]

designating the forecast rule corresponding to the highest hit rate as a target rule; and

providing the target rule to a capacity allocation model that is implemented in a manufacturing-control computer for allocating capacity in a manufacturing method.

2. (original) The computer implemented method of dynamic customer demand forecasting as claimed in claim 1, further comprising providing the target rule to a capacity allocation model for capacity allocation.

3. (original) The computer implemented method of dynamic customer demand forecasting as claimed in claim 1, wherein the forecast rule comprises a forecast base rule and at least one customer defined rule.

4. (original) The computer implemented method of dynamic customer demand forecasting as claimed in claim 3, wherein the input step further comprises integrating the forecast base rule and the customer defined rule into the forecast rule.

5. (original) The computer implemented method of dynamic customer demand forecasting as claimed in claim 3, wherein the forecast base rule is produced according to the most current order.

6. (original) The computer implemented method of dynamic customer demand forecasting as claimed in claim 1, wherein the forecast hit rate is calculated according to orders.

7. (currently amended) [[An]] A computer-implemented apparatus of dynamic customer demand forecasting in a manufacturing environment, the computer-implemented apparatus comprising:

an input module, inputting at least one forecast rule to estimate orders;

a calculation module, coupled to the input module, calculating at least one forecast hit rate, each of which corresponds to a forecast rule;

a selection module, coupled to the calculation module, selecting a highest hit rate from the forecast hit rate; and

a designation module, coupled to the selection module, designating the forecast rule corresponding to the highest hit rate as a target rule.

8. (original) The apparatus as claimed in claim 7, further comprising a providing module, coupled to the designation module, providing the target rule to a capacity allocation model for capacity allocation.

9. (original) The apparatus as claimed in claim 7, wherein the forecast rule comprises a forecast base rule and at least one customer defined rule.

10. (original) The apparatus as claimed in claim 9, wherein the input module further integrates the forecast base rule and the customer defined rule into the forecast rule.

11. (original) The apparatus as claimed in claim 9, wherein the forecast base rule is produced according to the most current order.

12. (original) The apparatus as claimed in claim 7, wherein the forecast hit rate is calculated according to orders.

13. (currently amended) A storage medium for storing a computer program providing a method of dynamic customer demand forecasting, the method comprising the steps of:

inputting at least one forecast rule to estimate orders;

calculating at least one forecast hit rate, each of which corresponds to a forecast rule;

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selecting a highest hit rate from the forecast hit rate; and

designating the forecast rule corresponding to the highest hit rate as a target rule.

14. (original) The storage medium as claimed in claim 13, further comprising providing the target rule to a capacity allocation model for capacity allocation.

15. (original) The storage medium as claimed in claim 13, wherein the forecast rule comprises a forecast base rule and at least one customer defined rule.

16. (original) The storage medium as claimed in claim 15, wherein the input step further comprises integrating the forecast base rule and the customer defined rule into the forecast rule.

17. (original) The storage medium as claimed in claim 15, wherein the forecast base rule is produced according to the most current order.

18. (original) The storage medium as claimed in claim 13, wherein the forecast hit rate is calculated according to orders.

19. (currently amended) A system of dynamic customer demand forecasting, comprising:

an operation computer, inputting at least one forecast rule to estimate orders, calculating at least one forecast hit rate, each of which corresponds to a forecast rule, selecting a highest hit rate from the forecast hit rate, and designating the forecast rule corresponding to the highest hit rate as a target rule; and

at least one database, coupled to the operation computer, storing the forecast rule, the forecast hit rate, and the target rule.

20. (original) The system as claimed in claim 19, wherein the operation computer further provides the target rule to a capacity allocation model for capacity allocation.

21. (original) The system as claimed in claim 19, wherein the forecast rule comprises a forecast base rule and at least one customer defined rule.

22. (original) The system as claimed in claim 21, wherein the operation computer further integrates the forecast base rule and the customer defined rules into the forecast rule.

23. (original) The system as claimed in claim 21, wherein the forecast base rule is produced according to the most current order.

24. (original) The system as claimed in claim 19, wherein the forecast hit rate is calculated according to orders.